

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/846,606DATE: 07/08/97  
TIME: 08:12:50

INPUT SET: S18768.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: Schering Corporation  
6  
7 (ii) TITLE OF INVENTION: Thioredoxin/Heterologous Protein  
8 Bacterial Expression System  
9  
10 (iii) NUMBER OF SEQUENCES: 9  
11  
12 (iv) CORRESPONDENCE ADDRESS:  
13 (A) ADDRESSEE: Schering-Plough Corporation  
14 (B) STREET: 2000 Galloping Hill Road  
15 (C) CITY: Kenilworth  
16 (D) STATE: New Jersey  
17 (E) COUNTRY: U.S.A.  
18 (F) ZIP : 07033-0530  
19  
20 (v) COMPUTER READABLE FORM:  
21 (A) MEDIUM TYPE: diskette  
22 (B) COMPUTER: Apple Macintosh  
23 (C) OPERATING SYSTEM: Macintosh 7.5.3  
24 (D) SOFTWARE: Microsoft Word 5.1a  
25  
26 (vi) CURRENT APPLICATION DATA:  
27 (A) APPLICATION NUMBER:  
28 (B) FILING DATE:  
29  
30 (vii) PRIOR APPLICATION DATA  
31 (A) APPLICATION NUMBER: US 60/011,606  
32 (B) FILING DATE: 30-APR-1996  
33  
34 (viii) ATTORNEY/AGENT INFORMATION:  
35 (A) NAME: Foulke, Cynthia L.  
36 (B) REGISTRATION NUMBER: 32,364  
37 (C) REFERENCE DOCKET NUMBER: JB0600Q  
38  
39  
40  
41 (2) INFORMATION FOR SEQ ID NO:1:  
42  
43 (i) SEQUENCE CHARACTERISTICS:  
44 (A) LENGTH: 30 bases  
45 (B) TYPE: nucleic acid  
46 (C) STRANDEDNESS: single

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/846,606DATE: 07/08/97  
TIME: 08:12:53

INPUT SET: S18768.raw

47 (D) TOPOLOGY: linear  
48  
49 (ii) MOLECULE TYPE: DNA  
50  
51 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
52  
53 CCTGTGGAGT TACATATGAG CGATAAAATT 30  
54  
55 (2) INFORMATION FOR SEQ ID NO:2:  
56  
57 (i) SEQUENCE CHARACTERISTICS:  
58 (A) LENGTH: 47 bases  
59 (B) TYPE: nucleic acid  
60 (C) STRANDEDNESS: single  
61 (D) TOPOLOGY: linear  
62  
63 (ii) MOLECULE TYPE: DNA  
64  
65 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
66  
67 GCACCCAACA TGCAAGGATC CTTACGCCAG ATTAGCATCG AGGAACT 47  
68  
69 (2) INFORMATION FOR SEQ ID NO:3:  
70  
71 (i) SEQUENCE CHARACTERISTICS:  
72 (A) LENGTH: 336 base pairs  
73 (B) TYPE: nucleic acid  
74 (C) STRANDEDNESS: single  
75 (D) TOPOLOGY: linear  
76  
77 (ii) MOLECULE TYPE: DNA  
78  
79 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
80  
81 ATGAGCGATA AAATTATTCA CCTGACTGAC GACAGTTTTG ACACGGATGT 50  
82 ACTCAAAGCG GACGGGGCGA TCCTCGTCGA TTTCTGGGCA GAGTGGTGCG 100  
83 GTCCGTGCAA AATGATCGCC CCGATTCTGG ATGAAATCGC TGACGAATAT 150  
84 CAGGGCAAAC TGACCGTTGC AAAACTGAAC ATCGATCAAA ACCCTGGCAC 200  
85 TGCGCCGAAA TATGGCATCC GTGGTATCCC GACTCTGCTG CTGTTCAAAA 250  
86 ACGGTGAAGT GCGGCAACC AAAGTGGGTG CACTGTCTAA AGGTCAGTTG 300  
87 AAAGAGTTCC TCGATGCTAA TCTGGCGTAA GGATCC 336  
88  
89 (2) INFORMATION FOR SEQ ID NO:4:  
90  
91 (i) SEQUENCE CHARACTERISTICS:  
92 (A) LENGTH: 336 bases pairs  
93 (B) TYPE: nucleic acid  
94 (C) STRANDEDNESS: single  
95 (D) TOPOLOGY: linear  
96  
97 (ii) MOLECULE TYPE: cDNA  
98  
99 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/846,606DATE: 07/08/97  
TIME: 08:12:57

INPUT SET: S18768.raw

100  
101 ATGAGCGATA AAATTATTCA CCTGACTGAC GACAGTTTTG ACACGGATGT 50  
102 ACTCAAAGCG GACGGGGCGA TCCTCGTCGA TTTCTGGGCA GAGTGGTGCG 100  
103 GTCCGTGCAA AATGATCGCC CCGATTCTGG ATGAAATCGC TGACGAATAT 150  
104 CAGGGCAAAC TGACCGTTGC AAAACTGAAC ATCGATCAAA ACCCTGGCAC 200  
105 TGCGCCGAAA TATGGCATCC GTGGTATCCC GACTCTGCTG CTGTTCAAAA 250  
106 ACGGTGAAGT GCGCGCAACC AAAGTGGGTG CACTGTCTAA AGGTCAGTTG 300  
107 AAAGAGTTCC TCGAGGCTAA TCTGGCGTAA GGATCC 336  
108  
109 (2) INFORMATION FOR SEQ ID NO:5:  
110  
111 (i) SEQUENCE CHARACTERISTICS:  
112 (A) LENGTH: 81 bases pairs  
113 (B) TYPE: nucleic acid  
114 (C) STRANDEDNESS: single  
115 (D) TOPOLOGY: linear  
116  
117 (ii) MOLECULE TYPE: cDNA  
118  
119 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
120  
121 GAT AAT ATT CTG GCT GGT TCT GGT TCT GGT GAT GAC GAT GAC AAG 45  
122 Asp Asn Asn Leu Ala Gly Ser Gly Ser Gly Asp Asp Asp Asp Lys  
123 1 5 10 15  
124  
125  
126 GGT CCT GTT CCG CCG TCT ACC GCT CTG CGT GAG CTC 81  
127 Gly Pro Val Pro Pro Ser Thr Ala Leu Arg Glu Leu  
128 20 25  
129  
130 (2) INFORMATION FOR SEQ ID NO:6:  
131  
132 (i) SEQUENCE CHARACTERISTICS:  
133 (A) LENGTH: 52 bases  
134 (B) TYPE: nucleic acid  
135 (C) STRANDEDNESS: single  
136 (D) TOPOLOGY: linear  
137  
138 (ii) MOLECULE TYPE: DNA  
139  
140 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
141 GAAGGAGGCT GATTAAATGG GTCCGGTTCC GCCGTCTACC GCTCTGGAGC 50  
142 TC 52  
143  
144 (2) INFORMATION FOR SEQ ID NO:7:  
145  
146 (i) SEQUENCE CHARACTERISTICS:  
147 (A) LENGTH: 18 bases  
148 (B) TYPE: nucleic acid  
149 (C) STRANDEDNESS: single  
150 (D) TOPOLOGY: linear  
151  
152 (ii) MOLECULE TYPE: DNA

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/846,606DATE: 07/08/97  
TIME: 08:13:00

INPUT SET: S18768.raw

153  
154 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
155 AAGGAGGCTG ATTAAATG 18  
156  
157 (2) INFORMATION FOR SEQ ID NO:8:  
158  
159 (i) SEQUENCE CHARACTERISTICS:  
160 (A) LENGTH: 17 bases  
161 (B) TYPE: nucleic acid  
162 (C) STRANDEDNESS: single  
163 (D) TOPOLOGY: linear  
164  
165 (ii) MOLECULE TYPE: DNA  
166  
167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
168 AAGGAGGCTG ATTAATG 17  
169  
170 (2) INFORMATION FOR SEQ ID NO:9:  
171  
172 (i) SEQUENCE CHARACTERISTICS:  
173 (A) LENGTH: 14 bases  
174 (B) TYPE: nucleic acid  
175 (C) STRANDEDNESS: single  
176 (D) TOPOLOGY: linear  
177  
178 (ii) MOLECULE TYPE: DNA  
179  
180 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
181  
182 AAGGAGGTTT AATG 14  
183  
184  
185

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/846,606**

DATE: 07/08/97  
TIME: 08:13:02

*INPUT SET: S18768.raw*

Line

Error

Original Text